

A FLUID DYNAMIC BEARING MOTOR
CONFIGURED WITH AN INTEGRATED COUNTERPLATE
TO CONTAIN BEARING FLUID

ABSTRACT OF THE DISCLOSURE

A fluid dynamic bearing motor assembly is described. In one embodiment, the assembly includes a shaft, a sleeve configured to rotate about a rotational axis, and a counterplate attached to the sleeve. The counterplate includes a radial section and a axial section, which is attached to the radial section and partially defines a labyrinth to remove bearing fluid from a region between the shaft and the axial section.